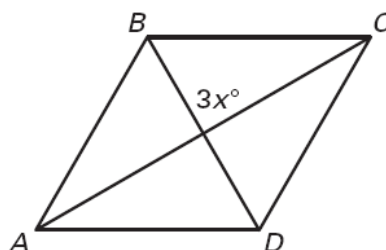


Name: _____

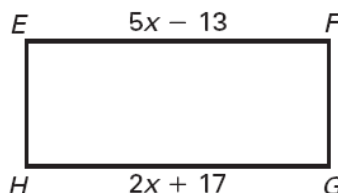
Rectangles, Rhombi, and Squares

Exercise 1: Use properties of special quadrilaterals to find the value of x .

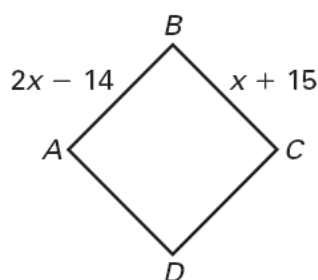
- 1) $ABCD$ is a rhombus.



- 2) $EFGH$ is a rectangle.

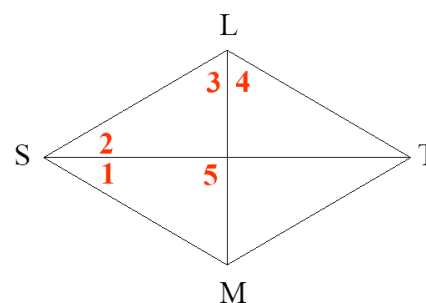


- 3) $ABCD$ is a square.

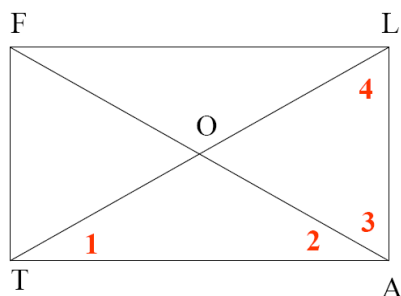


Exercise 2: SLTM is a rhombus.

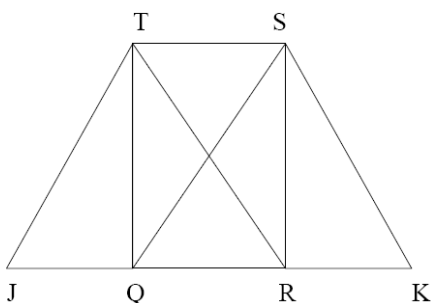
- If $m \angle 1 = 25$, find the measures of $\angle 2$, $\angle 3$, $\angle 4$, and $\angle 5$
- If $m \angle 1 = 3x + 1$ and $m \angle 3 = 7x - 11$, find the value of x .



Exercise 3: FLAT is a rectangle. If $FA = 27$, find LO .



Exercise 4: Given: rectangle QRST; parallelograms RKST & JQST
 Prove: $JT = KS$



Exercise 5: In rhombus ABCD, the measure, in inches, of AB is $3x - 2$ and BC is $x + 12$. Find the length of DC .